

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A substitution call control system including an ATM (Asynchronous Transfer Mode) subscriber network of an ATM communication network, said ATM subscriber network comprising:

a plurality of network terminators respectively connected with a plurality of subscriber terminals; and

A an ATM subscriber line concentrator which accommodates VCs (Virtual Connection) to said plurality of network terminators, and is connected with a ATM switching apparatus of said ATM network through a UNI (User-Network Interface), and

wherein said ATM subscriber line concentrator includes a substitution call control function to substitute for said plurality of network terminators and said subscriber terminals for a call control and

wherein said plurality of network terminators and said plurality of subscriber terminals do not have call control functions.

2. (original): A substitution call control system according to claim 1, wherein when one of said plurality of subscriber terminals issues a call processing

request to said ATM subscriber line concentrator through a corresponding one of said plurality of network terminators, a line number connected to said one subscriber terminal and an ATM address of said one network terminator or said one subscriber terminal are held.

3. (original): A substitution call control system according to claim 1, wherein when one of said plurality of subscriber terminals issues a call processing request to said ATM subscriber line concentrator through a corresponding one of said plurality of network terminators, a call number is held.

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4. (original): A substitution call control system according to claim 1, wherein when a SVC (Switched Virtual Channel) connection is established in response to a call processing request issued from one of said plurality of subscriber terminals to said ATM subscriber line concentrator through a corresponding one of said plurality of network terminators, a VPI (Virtual Path Identifier) value and a VCI (Virtual Channel Identifier) value of said SVC connection are held.

5. (original): A substitution call control system according to claim 1, wherein said ATM subscriber line concentrator and each of said plurality of subscriber terminals are connected by a PVC (Permanent Virtual Circuit)

connection to allow a substitution call control message to be transmitted and received.

6. (original): A substitution call control system according to claim 1, wherein said ATM subscriber line concentrator and each of said plurality of network terminators are connected by a PVC (Permanent Virtual Circuit) connection to allow a substitution call control message to be transmitted and received.

7. (original): A substitution call control system according to claim 5, wherein a VPI/VCI value (a value of VP identifier/VC identifier) of said PVC connection is 0/5.

8. (original): A substitution call control system according to claim 6, wherein a VPI/VCI value (a value of VP identifier/VC identifier) of said PVC connection is 0/5.

9. (original): A substitution call control system according to claim 5, wherein said substitution call control message is transmitted and received in a same protocol as that for a subscriber data.

10. (original): A substitution call control system according to claim 6, wherein said substitution call control message is transmitted and received in a same protocol as that for a subscriber data.

11. (original): A substitution call control system according to claim 5, wherein said substitution call control message is transmitted and received by a Classical IP and ARP over ATM system defined in IETF (Internet Engineering Task Force) RFC (Request For Comment) 1577.

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12. (original): A substitution call control system according to claim 6, wherein said substitution call control message is transmitted and received by a Classical IP and ARP over ATM system defined in IETF (Internet Engineering Task Force) RFC (Request For Comment) 1577.

13. (original): A substitution call control system according to claim 5, wherein said substitution call control message is transmitted and received by an xDSL over ATM system through a PVC connection, wherein said xDSL is a general term of various typea of DSL (Digital Subscriber Line, and includes an Asymmetric DSL, a high-bit-rate DSL, a Rate-Adaptive DSL, a Symmetrical DSL and a Very-high-bit-rate DSL).

14. (original): A substitution call control system according to claim 6, wherein said substitution call control message is transmitted and received by an xDSL over ATM system through a PVC connection, wherein said xDSL is a general term of various type of DSL (Digital Subscriber Line, and includes an Asymmetric DSL, a high-bit-rate DSL, a Rate-Adaptive DSL, a Symmetrical DSL and a Very-high-bit-rate DSL).

15. (original): A substitution call control system according to claim 1, wherein each of said plurality of subscriber terminals and a corresponding one of said plurality of network terminators are connected in IEEE 802.3 ether network.

16. (original): A substitution call control system according to claim 1, wherein each of said plurality of subscriber terminals and a corresponding one of said plurality of network terminators are connected by a PVC (Permanent Virtual Circuit) connection.

17. (original): A substitution call control system according to claim 16, wherein a VPI/VCI value (a value of VP identifier/VC identifier) of said PVC connection is 0/5.
